

DT01 Rec'd PCT/PTC 20 DEC 2004

## SEQUENCE LISTING

<110> Levinson, Arnold I.  
Weiner, David B.  
Otero, Miguel  
Calarota, Sandra

<120> Vaccines for Suppressing IgE Mediated Allergic Disease and  
Methods for Using the Same

<130> UPAP0024-500 (Penn 02725)

<160> 13

<170> PatentIn version 3.2

<210> 1  
<211> 88  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 1  
cccaagctta tggactggac ctggatcctc ttcttggtgg cagcagccac gcgagtccac 60  
tcccatgggc tggctggcgg ctccgcgc 88

<210> 2  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 2  
ccgctcgagc gtggggctgg aggacgttgg 30

<210> 3  
<211> 87  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Oligonucleotide

<400> 3  
ccgctcgaga gaaacgagct gtcgtaggat ccgatccaaa ttattttaagg actgattctg 60  
ataaagatag atttttataa accatgg 87

<210> 4  
<211> 88  
<212> DNA  
<213> Artificial Sequence

100										105					110					
gtg	cag	cgg	ttc	ctc	tca	gcc	acg	cgg	cag	ggg	agg	ccc	cag	acc	tcc	384				
Val	Gln	Arg	Phe	Leu	Ser	Ala	Thr	Arg	Gln	Gly	Arg	Pro	Gln	Thr	Ser					
		115					120					125								
ctc	gac	tac	acc	aac	gtc	ctc	cag	ccc	cac	gcc	aga	gaa	aaa	aga	gct	432				
Leu	Asp	Tyr	Thr	Asn	Val	Leu	Gln	Pro	His	Ala	Arg	Glu	Lys	Arg	Ala					
	130					135					140									
gtt	gtt	ggt	tac	gat	cca	aat	tat	tta	agg	act	gat	tct	gat	aaa	gat	480				
Val	Val	Gly	Tyr	Asp	Pro	Asn	Tyr	Leu	Arg	Thr	Asp	Ser	Asp	Lys	Asp					
	145				150					155					160					
aga	ttt	tta	caa	acc	atg	gta	aaa	ctg	ttt	aac	aga	att	aag	aga	gaa	528				
Arg	Phe	Leu	Gln	Thr	Met	Val	Lys	Leu	Phe	Asn	Arg	Ile	Lys	Arg	Glu					
				165					170					175						
aaa	aga	gct	gtt	gtt	ggt	ttt	aat	aat	ttt	acc	gtt	agc	ttt	tgg	ttg	576				
Lys	Arg	Ala	Val	Val	Gly	Phe	Asn	Asn	Phe	Thr	Val	Ser	Phe	Trp	Leu					
		180					185						190							
agg	gtt	cct	aaa	gta	tct	gct	agt	cat	tta	gaa	cat	cat	cat	cat	cat	624				
Arg	Val	Pro	Lys	Val	Ser	Ala	Ser	His	Leu	Glu	His	His	His	His	His					
		195					200					205								
cat	tag															630				
His																				

<210> 6  
 <211> 209  
 <212> PRT  
 <213> Homo sapiens

<400> 6

Met Asp Trp Thr Trp Ile Leu Phe Leu Val Ala Ala Ala Thr Arg Val  
 1 5 10 15

His Ser His Gly Leu Ala Gly Gly Ser Ala Gln Ser Gln Arg Ala Pro  
 20 25 30

Asp Arg Val Leu Cys His Ser Gly Gln Gln Gln Gly Leu Pro Arg Ala  
 35 40 45

Ala Gly Gly Ser Val Pro His Pro Arg Cys His Cys Gly Ala Gly Arg  
 50 55 60

Ala Asp Trp Pro Gly Pro Pro Glu Leu Asp Val Cys Val Glu Glu Ala  
 65 70 75 80

Glu Gly Glu Ala Pro Trp Thr Trp Thr Gly Leu Cys Ile Phe Ala Ala  
 85 90 95

Ala Gly Gly Ser Val Pro His Pro Arg Cys His Cys Gly Ala Gly Arg  
1 5 10 15

Ala Asp Trp Pro Gly Pro  
20

<210> 9  
<211> 15  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> peptide

<400> 9

Glu Leu Asp Val Cys Val Glu Glu Ala Glu Gly Glu Ala Pro Trp  
1 5 10 15

<210> 10  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> peptide

<400> 10

Glu Ala Pro Trp Thr Trp Thr Gly Leu  
1 5

<210> 11  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> peptide

<400> 11

Thr Gly Leu Cys Ile Phe Ala Ala Leu Phe  
1 5 10

<210> 12  
<211> 27  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> peptide

<400> 12